



— Y-12 BULLETIN

A Newspaper For Y-12 Employees of Union Carbide Corporation—Nuclear Division

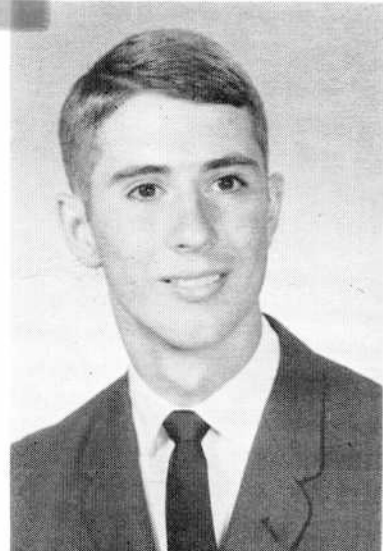
VOL. 21 — NO. 5

OAK RIDGE, TENNESSEE

11 9418 Wednesday, February 8, 1967

Holt Son Takes BPOE Top Honors For Leadership

The local Benevolent and Protective Order of Elks recently notified the John C. Holt family, 246 Waddell Circle, that their son, John B., had been named as outstanding student leader in the state of Tennessee. Sponsored by the Elks, John will now be entered in national competition to be judged with students from the other 49 states.



John B. Holt

In Union Carbide Corporation's current advertising there's a phrase, "Union Carbide is doing a lot of exciting things. In fact, there's very little in this world we don't get into." The same might be said for the Oak Ridge High School senior John Holt.

Since junior high days at Robertsville, John has maintained leadership among his fellow students.

Beginning in the Boy Scouts at 11, John now holds a Life Rank, is a member of the Order of the Arrow (holding 22 merit badges) and is also the recipient of the coveted God and Country award.

In Student Council

Long active in the Student Council, John was a second vice-president in junior high . . . a president the next year. He was elected president of the sophomore class at ORHS, chairman of the civic and welfare committee of the Student Council his junior year, and was representative to the Anderson County Association of Student Councils, serving as its secretary. In his senior year, he was elected president of the Student Council, the school's highest job for students. In school superlatives, he was voted the best all-around boy.

A sportsman, John played football, basketball and was a member of the track squad in junior high. In high school he concentrated on the cross-country track squad, and will be a three-letter man in basketball. He is active in the Fellowship of Christian Athletes.

Plays In Band

Currently he is vice-president of the ORHS Band (he plays the

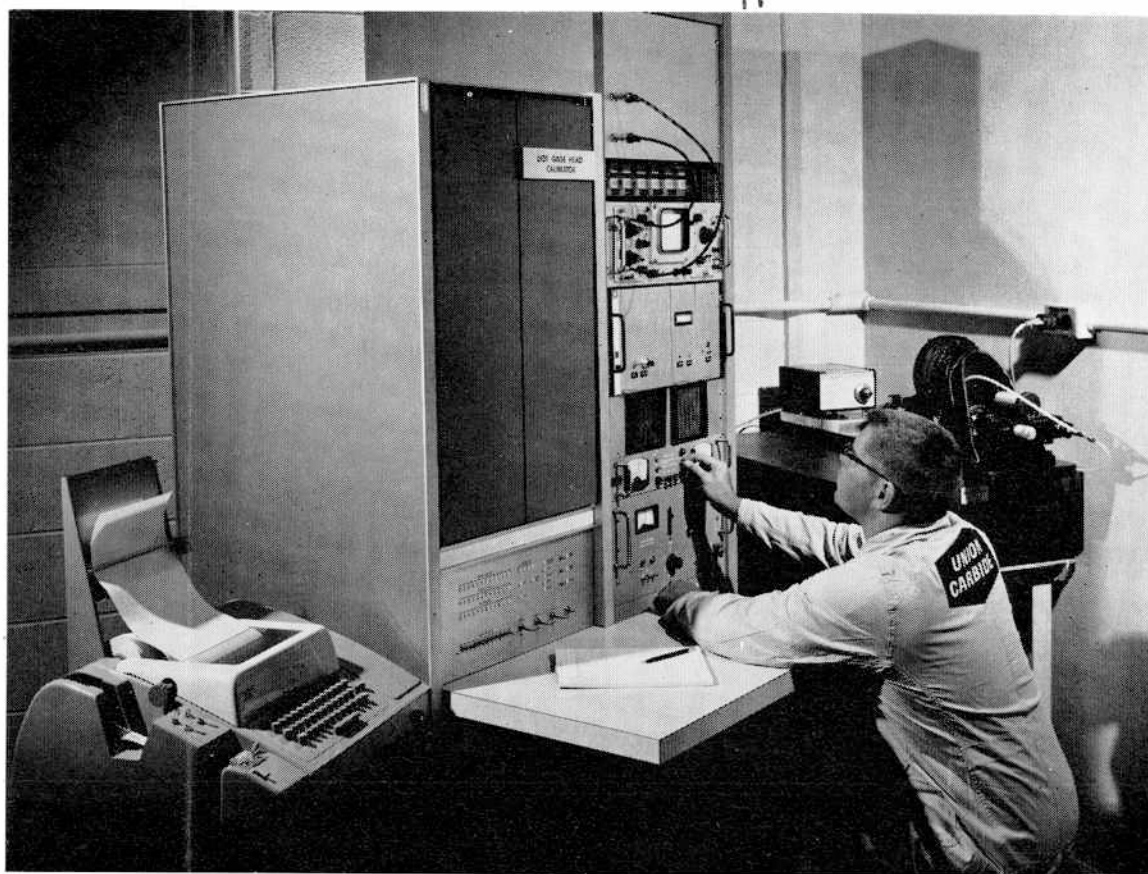
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Cancer Is Big Killer Among Younger Children

More school children die of cancer than of any other disease. Cancer took the lives of about 5,000 youngsters under the age of 15 in 1966. Almost half of them died of leukemia, cancer of the blood-forming tissue. The American Cancer Society is conducting research which will, it hopes, stamp out leukemia and other childhood cancers, as well as cancer found in adults.

SIGN OF AGE

You can be sure you're getting older when the children tell you about their history lesson, and when you went to school the same items were called "current events."



GLENN BRYSON, ELECTRICAL, is seen at the console of a computer-controlled calibrator. The system measures displacement of the gage to an accuracy of a few millionths of an inch by means of a laser interferometer.

Socony's Hickok Is Thernuclear Speaker

Robert L. Hickok, Socony Mobil Oil Company, Pennington, New Jersey, will conduct this week's Thernuclear seminar. His subject will be "Plasma Density Measurements Using Energetic Ion Beams."

The seminar is set for Thursday, February 9, at 9 a.m. in the TD Conference Room, Building 9201-2.

HEART OF GOLD

Having a heart of gold without the proper actions can mean very little. Remember, a hard-boiled egg also has a heart of gold.

Calibrator Reduces Time To Inspect Gage Heads

Equipped with a laser interferometer as a measuring device, a computer-controlled calibrator is used in Y-12 to inspect electronic gage heads used in dimensional measuring equipment. The system measures displacement of the gage to an accuracy of a few millionths of an inch by means of a laser interferometer. All critical operations and complex mathematics are controlled by a small

digital computer. The system, designed and developed here, has reduced calibration time for a linear voltage differential transformer gage head from two hours to less than two minutes, resulting in considerable cost savings.

(Note: This system is not for sale. The information is released in accordance with the AEC policy to distribute information on technological developments offering possible application in private industry.)

Re-Shuffling Of Holidays To Give Long Weekends

Up-coming holidays will be reshuffled this year. For the calendar year 1967, observance of the February 22 (George Washington's birthday) and Memorial Day (May 30) will be reset for all salaried personnel and production and maintenance bargaining unit personnel. The holidays will be observed on Mondays, February 20, and May 29.

This rescheduling will afford the affected employees the opportunity for a three-day holiday weekend. All existing standard holiday practices and procedures, as well as negotiated premium pay procedures, will be applicable to February 20 and May 29 as the recognized plant and calendar holidays.

Intense Particle Beams Is Physics Seminar Theme

G. G. Kelley, ORNL Thernuclear Division, will conduct this week's Physics Division seminar. His topic will be "Intense Particle Beams."

The seminar is set for Friday, February 10, at 3:15 p.m. in the East Auditorium of ORNL's 4500N building.

Most Of Our Money Is Gone Ere We Get It

According to Finance Facts, about 60 cents of every income dollar we get is already spoken for. Most of the consumer's income is either deducted from his paycheck before he gets it, or is regularly blocked out for necessary outlays such as food, clothing, transportation, fixed expenses like home mortgages or rent and interest charges, and payments to insurance and pension funds. Beyond this, most consumers have also already committed much of what is left of their income by prior spending decisions.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
66 Days Or
1,766,000 Man-Hours
(Unofficial Estimate)
Through February 5
Without A Disabling
Injury
A Job Well Done
Is Also Safely Done



ANOTHER PATENT APPLICATION has been filed by the government on a joint development by W. A. Pfeiler and C. K. Valentine. Their development, entitled "Hot-Isostatic-Pressing Apparatus and Method," brought each of them a complimentary letter accompanied by a one-dollar bill. Making the presentations are W. J. Yaggi, left, and V. B. Gritzner, right. Pfeiler is in Metallurgical Development and Valentine is in Beta Two Forming.

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

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American Association Industrial Editors

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Calloway Rites Held Wednesday

The Process Maintenance Department was saddened last week by the death of Mr. James J. Calloway, a 22-year veteran in Y-12. He died Sunday, January 29, at his Wolf Valley Road, Route 4, Clinton, home.

Mr. Calloway came here October 3, 1944, after working with the Tennessee Valley Authority and farming near his native Franklin, North Carolina home.

Survivors include his wife Mrs. Ruth McMahon Calloway; daughters, Mrs. Delia Meredith, Clinton; Mrs. Elizabeth Harkleroad, Powell; Shirley, Mary Helen and Debbie; sons, Larry, U.S. Air Force, stationed in Nebraska, Jimmy and Donnie, at home; six grandchildren; sisters, Mrs. J. L. Potts, Franklin; Mrs. Daisy Hayes, Orlando, Florida; Mrs. Jessie Cooper, West Jefferson, North Carolina; and brother, Ted Calloway, San Diego, California.

Services were held Wednesday, February 1, at the Martin Funeral Home, Clinton, with the Reverends Charles Denton and Hilden Lively officiating. Interment followed Thursday, in the Ridgecrest Cemetery, Franklin.

Sincere sympathy is extended the Calloway family.

50¢ Dividend Declared By Union Carbide Board

The board of directors of Union Carbide Corporation last week declared a quarterly dividend of fifty cents (50¢) per share on the outstanding capital stock of the corporation payable March 2, 1967, to stockholders of record at the close of business February 6.

The last quarterly dividend was fifty cents (50¢) per share paid December 1, 1966.

ASM Meeting Is Set In Knoxville Next Week

The Oak Ridge Chapter of the American Society for Metals will meet next Wednesday, February 15. The meeting will be held at Holiday Inn West, Knoxville, beginning at 6:15 p.m.

George E. Dieter Jr., Drexel Institute of Technology, will speak on "Current Developments in Metal Deformation Processing."

Reservations for next Wednesday's dinner emeting may be made through W. R. Martin, extension 3-1675.

IEEE Will Hear ORNL's Lane Speak

The Oak Ridge Section of the Institute of Electrical and Electronic Engineers will meet in the Green Room, Ridge Recreation, tomorrow, Thursday, February 9. The meeting will begin at 7:30 p.m.

Speaker will be James A. Lane, director of studies and evaluations at ORNL. He will speak on the "Outlook for Nuclear Breeders."

Lane is a chemical engineer by training, having received his degree from Worcester Polytechnic. He also studied physical chemistry as an exchange fellow at the University of Goettingen, Germany. He began work with the du Pont company but was transferred to the University of Chicago to work on the Manhattan Project. He came to Oak Ridge in 1943 and has worked mainly in the field of reactor design evaluation and the economics of nuclear power.

All interested parties are invited to the IEEE meeting.

'Artists Of Africa' Exhibit Opens Saturday

"Young Artists of Africa," 40 examples of bold and imaginative gouache paintings, watercolors and black and white block prints by Bantu boys in Rhodesia, will be shown beginning at the Oak Ridge Art Center, Sunday, February 12. Hours are from 3 until 6 p.m. Sunday, 10:30 through 12:30 p.m. Saturdays, and 9:30 a.m. until 12:30 p.m. Monday through Friday.

These unusual and striking works were executed by boys from nine through 14 years of age, many of whom had never seen a painting before. The collection was assembled by Mrs. Harold Hochschild, Princeton, New Jersey, and is currently touring museums, art galleries and universities throughout the country under the American Federation of Arts.

Girl Scouts and the Altrusa Club will act as hostesses at Sunday's opening.

The Oak Ridge Community Art Center is located on Badger Avenue, Oak Ridge.

AAUW, Investment Club To Hear Stock Expert

The American Association of University Women and the local National Association of Investment Clubs are co-hosting a meeting next week which should be of interest to anyone interested in the stocks and bonds bought on the open markets.

Thomas E. O'Hara, president of the board of trustees of the NAIC, and editor of the association's "Better Investing" will speak at the meeting, set next Monday, February 13, at Jefferson Junior High School.

The lecture is described as a three-month investment course in one evening. It will encompass how to select growth companies, invest regularly, re-invest, and diversify for protection. O'Hara describes stock option plans used by thousands on modest monthly funds as low as \$10 per month.

There is no admission to the lecture next week, and the general public is invited.

IMPORTANT CONTRIBUTION

"One of the most important contributions which nuclear energy has made to our society is the production of electric power." W. R. Snyder, president, Metropolitan Edison Company, Reading, Pennsylvania.

Former Y-12er Busy Overcoming Blindness

Folks in Y-12's General Machine Shop pleasantly remember John R. Gordon, and friends from all over the plant will be interested in a progress report on the former superintendent of the shop.

A real old-timer, John came to Y-12 in the early days of 1944. In 1961, he suffered a detachment of the retina in his left eye. Surgery proved unsuccessful.

Late in 1961, Gordon transferred to K-25, and very shortly thereafter he experienced the same ailment in his right eye... the result... total and permanent blindness. In February, 1965, Gordon was given a disability termination at the K-25 Plant.

John was born in Kenosha, Wisconsin, and was educated in public schools in Woodstock, Illinois. He began his career in the tool-and-die-making trade and advanced to responsible supervisory positions in a number of machine shops.

No Time To Quit

The resiliency of the human spirit is often a wonderful thing to watch. Not one for self-pity and bitterness, Gordon at once began rehabilitation activities. After all, he was 46 years old, had a wife and two children to support. There was no time to cry "Foul" or think of quitting. For three and one-half months he attended the special school at the Arkansas Enterprises for the Blind, sponsored by the Lions Club International. He learned Braille, how to use a typewriter, and the use of an abacus for mathematical calculations. The "rush course" enabled John to gain a lot of independence. He learned the use of his long, white cane; how to weave it back and forth to discover any obstacle and to determine the lay of the land.

After his return from Arkansas, Gordon, on the advice of friends, took on the field representative job for an insurance firm, the World Heritage Life Insurance Company, Memphis. He describes his company as more than an "insurance company," one that offers an unusual opportunity to create "living" money in investment programs.

Operate As Team

Both John and Vivian (Mrs. Gordon is the former Vivian Darnell, who worked in the Mathematics Division for ORNL here in Y-12) took a crash course in insurance underwriting. They now operate as a team. Mrs. Gordon drives the car and checks the rate book to obtain the necessary figures for consultations.

Enabling John to present his visual chart for a proposed policy for a prospect became a problem for the Gordons. Vivian came through with Braille sheets, 12 inches square, drew the basic format of the lines on the chart, then ran through the lines with a sewing machine. John is thus able to feel the raised lines, then write the figures in the proper space.

Rather Well Adjusted

Gordon is quick to praise the rehabilitation center at Little Rock. "I believe I have become rather well adjusted to the reality of being without sight. I consider myself fortunate indeed for having been afforded this opportunity." It is also obvious that Mrs. Gordon, with her healthy attitude toward life, has aided John's rehabilitation to a great extent.

The Gordons live in a "colonial-modern" home in Emory Valley... at 104 Colby Road. The two-level home affords a full-size basement recreation room for the two lively Gordon children... Judie, 15, in Oak Ridge High; and John Jr. or "Buzz," 14, who attends Jefferson Junior High.



THE TELEPHONE PROVES AN ABLE instrument in John R. Gordon's work. The former Y-12er utilizes the phone, together with the tape recorder nearby, in his work. Gordon, former superintendent of the General Machine Shop, lost his eyesight from detachment of the retina in both eyes.



VIVIAN AND JOHN GORDON look over insurance rates before making a call on a prospective customer. Both the Gordons took insurance underwriting training before embarking on the career which was new to both of them.

Other sources contributed to Gordon's rehabilitation. He obtained a catalogue from Recording for the Blind and secured a number of recorded books pertaining to the insurance field. Two members of the local unit for the organization, Bob Kernohan and Ben Johnson, read study material for him directly on a tape recorder. He also received recorded material from the Library of Congress Talking Book Program and subscribes to monthly recordings of the Readers Digest.

He still attends school for the visually handicapped in Clinton.

With the assist from the auto and the telephone, the Gordons make fun out of their livelihood. With zest they tackle each individual problem, as if it were peculiar in itself.

Their social life has not been crimped by the handicap piled on Gordon either. "What happened to the division parties this past Christmas in Y-12? Hardly any division came through," they complained.

"We always loved attending them, and still do. It's good to see old friends now and then."

The Gordons would like to see old friends at their home, too. They promise not to give old acquaintances the big insurance pitch.

Technical Lists Party Ticketmen

Technical is still tooting their big Valentine dinner-dance, set for Saturday week, February 18, at Oak Terrace. Combination dinner-dance tickets cost \$10, to the dance only, \$5 per couple, that is.

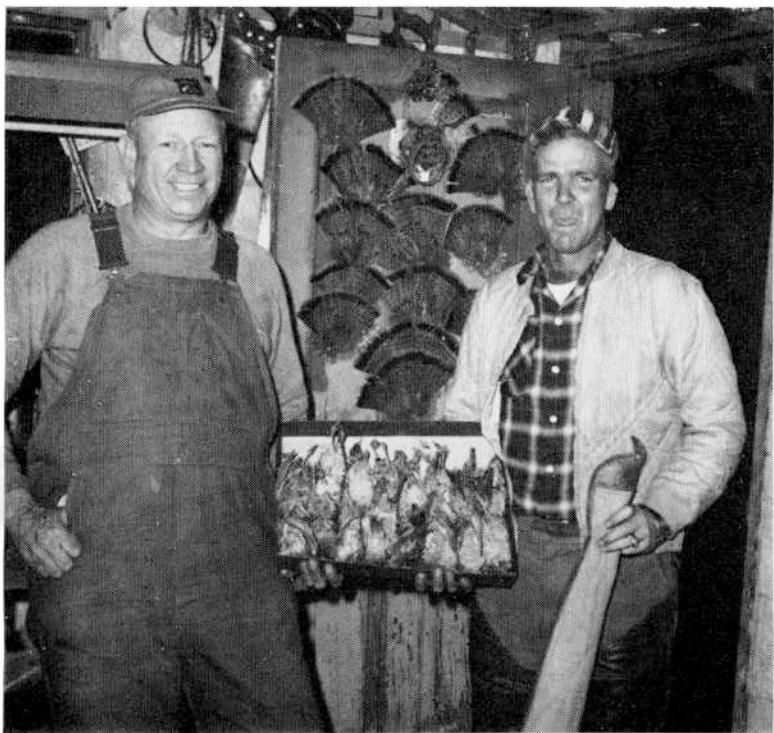
The smorgasbord dinner is set for 7 p.m., dancing to the tunes of the "Senators" at 9.

Ticket-sellers are John Lay, Winona Fletcher, B. B. Hopkins, Jim Thompson, Jim Smith, Lou Fitzgerald, Nelson Bethea, Louise Rogers, Mary Ann Wright, Dixie Stinnett, Bill Mee, Marlin Dill, Dot Woullard, Jack Gresham, O. C. Willard, Elizabeth Johnson, Jane Brown, Jeanne Mitchell, Jo Ann Isham, Mildred Morris, and L. T. Murphy. Of course, co-chairmen Daisy Ward and Jack McLendon will be happy to sell you a ticket too.

Other division-men and women are invited to the big party, say Technical planners.

FENCE REMOVING

'Never take a fence down until you know the reason why it was put up.' G. K. Chesterton.



QUAIL SHOOTERS, INC., they call themselves and with good reason from the looks of the brace shown above . . . plus the tail feathers on the wall. They are Bob Lawyer and Carl McBee. McBee, in Y-12's Buildings, Grounds and Maintenance Shops, is on the right with the rifle case and the knowing smile.

Fireballs, Rounders Locked In C Race

The Fireballs and Rounders are still locked in the lead in C Bowling circles, thanks to three-point wins last week. The Fireballs felled the Sunflowers, and the Rounders romped over the Strikers. Other three-pointers were gained by the Big Five beating the Invalids, the HiLifers halting the Royal Flush and the Rollmaster rolling over the Parbusters. Two points were shared by the Badgers and the Rodders.

Elbert Scott, Royal Flush, rolled a 217 scratch single game. David L. Woody, same team, posted a 259 handicap single. Scott's 607 scratch series was high and James D. Kirkpatrick, HiLifers, posted a new season high of 695 in handicap series tallies.

The Sunflowers looked best in scratch rolling, singles of 887, series of 2475. The Royal Flush rolled a 1066 handicap score in singles; and the HiLifers hit a 2967 handicap series.

League standings follow:

Team	W	L
Fireballs	11	5
Rounders	11	5
Badgers	10	6
Big Five	10	6
Rodders	9	7
HiLifers	8½	7½
Rollmasters	7½	8½
Strikers	7	9
Invalids	7	9
Royal Flush	6	10
Parbusters	5	11
Sunflowers	4	12

Tuesday Is Deadline To Enter Bowling Meet

Next Tuesday, February 14, is more than just Valentine's Day. It's bowlers last call for the big tournament set for Saturday and Sunday, February 25, 26.

Entries in the competition will be taken by the Recreation Department up and until 4:30 p.m. Tuesday. That address is 9704-2, and the telephone extension is 3-7109.

Bowlers must have rolled at least 21 games in a sanctioned league this season . . . or must use last year's average to be able to bowl in the all-plant war.

Alley-men and women may receive more information by calling Recreation, extension 3-7109.

NON PROPHET

A sign in the weather bureau read: "We are a non-prophet organization."

Clean Sweeps Are Volleyball Story

Sweeps, all the way, that was the big news in the Volleyball League last week.

On Court A the Ecobums trimmed the Beagles 15-12, 15-10, 15-4 and 15-3. The K-25 Sports clipped the Charley Brown's 15-0, 15-6, 15-7 and 15-7. Y-12's Beavers stayed atop the heap by defeating the Set-Ups 16-14, 15-13, 15-5, and 15-6.

Meanwhile on Court B, the Old Men ousted the Neophytes 15-9, 15-1, 15-11 and 15-5. The Scrubs scrubbed the Tigercats 15-5, 15-13, 15-3, and 15-5. Y-12's Eagles won four from the Mix-Ups 15-3, 15-10, 15-4 and 15-8.

Team	W	L
Beavers, Y-12	31	1
Set-Ups, ORNL	25	7
K-25 Sports	25	7
Ecobums, ORNL	22	10
Scrubs, ORNL	21	11
Old Men, ORNL	19	13
Tigercats, ORNL	14	18
Eagles, Y-12	12	20
Beagles, ORNL	12	20
Mix-Ups, K-25	6	26
Charley Brown's, ORNL	5	27
Neophytes, Y-12	0	32

Boat Handling Courses Open At O.R. Marina

A free eight-lesson course in small boat handling and water safety began last night, February 7, at the Oak Ridge Marina, Melton Lake Drive.

The courses are open to all persons interested and ladies are extended a special invitation. Several Y-12ers are active in instructing the courses.

The time is 7:30 p.m., and the courses will extend through March 16. The next course, February 14, will concern marlinpike seamanship and aids to navigation. Other courses set are: February 16: Charles and compasses; February 21: Rules of the Road and Legal Responsibilities; February 28: Safety Motorboat Operations and Locks and Dams; March 2: Coast Guard and Auxiliary History, Seamanship and Piloting; March 7: Communications, Internal Combustion Engines; March 14: First Aid; and March 16: Exam time.

The courses are offered free of charge by the United States Coast Guard Auxiliary Flotilla 12-8. Further information may be obtained by calling William Derieux, Oak Ridge, telephone 483-1035; C. R. Williams, 482-1775; or Ben F. Butler, Oliver Springs 435-6724.

3 Teams Maintain Clean Basketball 2nd Half Records

Y-12's Collegians opened basketball play last week by defeating the K-25 Celtics, 48 to 43. Jerry Prudom sank 15 points, Ed McFaddin, 14, for the winners. Bill Schellinger and Churchill Moore produced 13 each for the losing team.

The ORNL Radioisotopes downed Y-12's Braves 32 to 23 in Monday's second big game. Jim Batch scored eight for the losing Y-12 team, Ray Riggs seven. For the winners it was Gerald Alton with six.

The VIP's vanquished the B bar R's in final play Monday 63 to 22 . . . as Nathan Stonecipher cleared the basket with 18 big points, Larry Finch, 16, Jim Carter, 15 and Bob Compton, 14. Walter Porter scored 11 for the losers.

The Ecobums slipped by Y-12's Bat Boys in initial action Wednesday 53 to 45. Romeo Green was high scorer for the losers with 12 points. It looked bad for the 'Bums when big star Ernie Neal went out in the first quarter with foul trouble, but they hung on tenaciously to win comfortably.

The Bombers belted the Celtics in game two Wednesday 64 to 41. The first half of the game proved exciting enough . . . but the Bombers pulled away in the last half, thanks to Herman Thomas, with 26 points.

The Radioisotopes downed the Has Beens in final play 61 to 52. The Has Beens fought gallantly but could not catch up. The Radioisotopes controlled both boards well and hit well from all angles. Ralph Wormsley and Curtis McGinnis kept the team hustling with 17 and 13 points respectively.

Team	W	L
Bombers, ORNL	3	0
Radioisotopes, ORNL	3	0
VIP's, ORNL	2	0
Braves, Y-12	1	1
B bar R's, ORNL	1	1
Ecobums, ORNL	1	1
Collegians, Y-12	1	1
Bat Boys, Y-12	0	2
Celtics, K-25	0	3
Has Beens, ORNL	0	3

Gambill Takes Y Table Tennis Lead

Roy Huddleston moved up in the X Table Tennis League last week to tie with Bill Motley for the top berth. Huddleston downed Fred Shull for the full three games.

X League standings:

Player	W	L
William Motley, Y-12	6	0
Roy Huddleston, Y-12	6	0
Herb Mook, ORNL	3	3
Subbu Raman, ORNL	3	3
Gordon Brewer, Y-12	2	4
Fred Shull, ORNL	2	7
Al Norris, Y-12	1	2
Ralph Einstein, ORNL	1	5

Ed Gambill took over the lead in the Y League, thanks to a three-game win over Art Weinberger. Ram Uppuluri defeated Roy Matheny for three also.

Y League standings:

Player	W	L
Ed ambill, Y-12	5	1
Ram Uppuluri, ORNL	5	0
Roy Matheny, ORNL	1	5
Art Weinberger, ORNL	0	3
Nick Case, ORNL	0	0
Stan Cantor, ORNL	0	0
John Stockdale, ORNL	0	0
Ernest Schonfeld, ORNL	0	0

Joe Lewin took over the lead in the K Table Tennis set, as he downed Harley Law for three. Winfred Collins defeated Ed Isham for two sets. Bob Bernard defeated Joe Hallau for the full count.

K League standings:

Player	W	L
Joe Lewin, ORNL	7	2
Francois Kertesz, ORNL	5	1
Bob Bernard, ORNL	5	4
Winfred Collins, Y-12	4	5
Harley Law, Y-12	4	5
Ed Isham, Y-12	3	6
Joe Hallau, Y-12	3	6
Tudor Boyd, Y-12	2	4



THREE PAPAS WORKING IN Y-12 are proud of their majorette daughters who attend Jefferson Junior High School. From left, are Becky White, Patty Rhea and Diane Bailey. Their fathers are William H. "Duke" White, Chemical Services; O. J. Rhea, General Machine Shop; and D. E. Bailey, Fire Department. Becky hopes to be a majorette in high school, while Diane and Patty will remain at Jefferson another year. Their director and teacher is Mrs. Thomas H. Hill.

Recreation



Monday, February 13

BOWLING: 5:45 p.m., Ark Lanes, C League.

TABLE TENNIS: 7 p.m., Wildcat's Den.

BASKETBALL: Beginning 6:30 p.m., Oak Ridge High School. Collegians vs. Bta Boys; Braves vs. B bar R's; Bombers vs. VIP's.

Tuesday, February 14

PHYSICAL FITNESS: 7 p.m., Oak Ridge High School Gymnasium (Women's PT held in Girls' Gym).

BOWLING: 4:30 p.m. Deadline for entering Y-12 Bowling Tournament, Saturday and Sunday, February 26, 26.

Wednesday, February 15

BASKETBALL: Beginning 6:30 p.m., Jefferson Junior High School. Radioisotopes vs. Ecobums; Celtics vs. Bat Boys; Has Beens vs. B bar R's.

BADMINTON: 7:30 p.m., Jefferson Junior High School Gym.

BOWLING: 8 p.m., Mixed League, Ark Lanes.

Thursday, February 16

BOWLING: 5:45 p.m., Classic League, Ark Lanes.

VOLLEYBALL: Beginning 6:30 p.m., Robertsville Junior High Gym. Court A — Old Men vs. Scrubs; Neophytes vs. Mix-Ups; Charley Brown's vs. Beavers. Court B — K-25 Sports vs. Ecobums; Eagles vs. Beagles; Set-Ups vs. Tigers.

Saturday, February 18

TECHNICAL DINNER-DANCE: Oak Terrace Ball Room. \$5 per couple per dance; \$10 per couple per dance and dinner.

Hits & Misses Hit Mixed Bowling Top

The Hits & Misses took a scant lead in the Mixed Bowling League last week with a four-point win over the Mustangs. Another four points went to the Rollers, rolling past the Twisters. The Goofers-Novices and Alley Cats-Roses 'N Thorns duels ended in ties.

Steve Pintur, Alley Cats, rolled a 228 scratch single game, pushed to a 262 handicap single. Charlie

Has Beens Move Into Classic Tie

The Has Beens moved up to tie the Playboys in action last week in the Classic Bowling League. The Has Beens bowled three points away from the Markers, while the Playboys shared two with the Eagles. The only four points of the week went to the Wasps over the Rippers and the Rebels past the Cubs.

The Splinters seized three from the Tigers, the Swingsters took the same from the Screwballs, and the Smelters won by the same count from the All Stars. The Eightballs and Bumpers shared two apiece.

Norman Jarvis, Rebels, rolled a 225 scratch game. Jim Halsey, Bumpers, topped series rolling with a 588 scratch score. J. D. Davis, Wasps, was best in handicap count, with a single of 248 and a series of 652.

The Swingsters swung into the lead in singles, 939 scratch, 1043 handicap . . . while the Bumpers bowled a 2643 scratch series, and the Wasps wrung out a 3008 handicap series.

League standings follow:

Team	W	L
Playboys	18	6
Has Beens	18	6
Splinters	15	9
Wasps	15	9
Swingsters	14½	9½
Bumpers	14	10
Markers	13½	10½
Rebels	13½	10½
Cubs	13	11
Tigers	11½	12½
Eagles	11	13
Screwballs	9	15
All Stars	8	16
Rippers	7	17
Smelters	7	17
Eightballs	4	20

Gillihan, Rollers, rolled a 555 scratch series, 649 handicap series. Mabel Tyer, Hits & Misses, swept women's honors, with singles of 177, 225; series of 488, 632.

The Roses 'N Thorns swept a 665 singles count in scratch and the Rollers rolled an 1809 scratch series. The Hits & Misses hit on handicap rolling, singles of 814, series of 2334.

League standings follow:

Team	W	L
Hits & Misses	14	6
Goofers	13	7
Alley Cats	12	8
Rollers	11	9
Mustangs	9	11
Roses 'N Thorns	9	11
Twisters	8	12
Novices	4	16

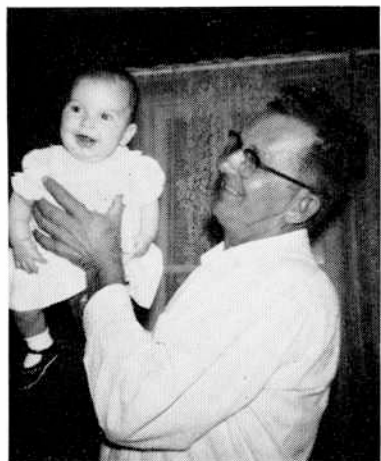
The time to be careful is now.



UNION CARBIDE CORPORATION
NUCLEAR DIVISION
P. O. BOX Y, OAK RIDGE, TENNESSEE 37830

(RETURN REQUESTED)

BULK RATE
U.S. Postage
PAID
Oak Ridge, Tenn.
Permit No. 71



STORES' F. M. WISE shows off his happy granddaughter Jennifer Lynn Wise, who lives at 648 Neal Avenue, Columbus, Ohio. She is the daughter of Mr. and Mrs. James Wise. The proud grand-pop lives at Route 2, Kingston.

Secretaries Group Holds Workshop

More than a hundred students attended the Future Secretaries' Association workshop, held January 28, at the Holiday Inn, Oak Ridge. The FSA workshop is sponsored by the Oak Ridge Chapter of the National Secretaries Association, International.

The group heard a welcoming address by Dr. Jack W. Geckler, assistant superintendent of the Oak Ridge Schools.

James M. Seivers Jr., Personnel Department, Y-12, spoke to the group on "Opportunities in Industry." Ruth Carey, Oak Ridge Operations of the Atomic Energy Commission, spoke on "Opportunities in Government Work."

Following these addresses were reviews of office equipment, which saw the Creswell Office Supply Company, IBM, Dictaphone Corporation, Southern Bell Telephone and Telegraph Company, the 3-M Company, and Xerox Corporation with interesting displays on the latest in office equipment.

Mabel Tyer, CPS, is president of the local NSA chapter. She is secretary to the Industrial Relations Superintendent in Y-12. Mary Hawk White is president of the local FSA chapter.

Junior Playhouse Plans 'Aladdin' Here Tomorrow

The Oak Ridge Junior Playhouse will sponsor "Aladdin", a musical, tomorrow, Thursday, February 9, at 7:30 p.m. at the Oak Ridge High School auditorium. The performers are members of the "Traveling Playhouse", a New York-based professional touring company.

Tickets are on sale throughout Oak Ridge for the "Aladdin" performance.



Short month, but the days of February get longer . . . the daylight hours, that is. A short list of Y-12ers observe important landmarks with Union Carbide Corporation. Congratulations.

20 YEARS

John A. Myers, Alpha Five Machine Shop, February 9.

15 YEARS

Arthur J. Hines, Benefit Plans, February 8.

Talmadge C. Hudson, Stores Department, February 9.

Evelyn P. Crouse, Cashier and Travel, February 11.

Norman J. Roberts, Dispatching Department, February 13.

Lillian F. Williams, Maintenance Division, February 14.

Stripmining Topic Of Meeting Here

Tennessee Citizens for Wilderness Planning is sponsoring a meeting on a topic of general interest, "Tennessee's Stripmine Problem: How Can We Solve It?" tomorrow. The meeting is set for Thursday, February 9, at 8 p.m. at the Oak Ridge Unitarian Church.

The program will be chaired by R. A. McNees, Oak Ridge City Councilman and president of the Tennessee Municipal League, and will consist of five sections. Evan Means, Y-12's Research Services, and well-known outdoor writer, will give the background and technical facts of stripmining operations here. Reclamation procedures will be discussed by T. G. Zarger, Division of Forestry Development, Tennessee Valley Authority. R. S. Lefler, teacher at Jefferson Junior High School, will describe legislation controlling surface mining and reclamation, including proposed federal legislation and a comparison of existing state laws. Tennessee and stripmining, a discussion of the role of TVA, past and present, and of prior unsuccessful attempts to introduce stripmine laws, will be presented by H. E. Baggenstoss, editor of the Grundy County Herald. Stripmine laws and the 1967 Tennessee legislature will complete the program.

The program is open to the public and will conclude with open discussion from the floor.

People, Not Systems, Run Our Companies

"Systems, no matter how scientific, do not run a company. People do. It takes people with a sense of responsibility . . . to make the systems work," says Daniel J. Haughton, president, Lockheed Aircraft Corp.

He lists six major areas of

Holt Sons Cops State Elks Honors

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French horn and trumpet). "I studied piano for two years in my younger years," he admits, "but at that time we thought piano was for the girls."

The Holts are active members of the First Methodist Church, where John is in the choir and a member of the Church Commission on Worship. He has been president of the junior high Methodist Youth Fellowship, and has held offices for the past three years in the senior high MYF.

Last summer, civic activities enmeshed the young student. He was chairman of the student's committee for NABOR (New and Better Oak Ridge), the successful drive to add a new recreation area and library to the city. "Even though they could not vote, the students were most valuable in the campaign," Chairman H. H. Stoner related. (The bond drive was voted by a 58 per cent majority.)

Busy In Summer

Summertime finds John busy for the McCullom-Brat Institute, Baltimore, coordinating efforts of youngsters in this area to catch and ship fireflies to the research group. He was responsible for the shipping of some 621,000 insects last summer, and distributed \$1,850 among Oak Ridge youngsters who participated in the effort.

On top of all his other activities, he finds time to teach as a vacation church school teacher during his vacation.

Last year, John represented Oak Ridge High School at Boys' State, and was named mayor of Todd City, to the court of appeals, and a member of the governor's cabinet. He placed third in the chemistry division competition of the Tennessee Junior Academy of Science Contest.

He is a member of the Physics Club and the Chemiteers at high school.

Keeps A "B" Average

Coupled with this myriad of activities, John maintains a "B" average at school!

John's mother, Mrs. Michael B. Holt, is a teacher. John C. Holt, the father, is in Y-12's Area Five Maintenance Department. The elder Holt also serves on the Oak Ridge City Council.

There are two Holt daughters . . . Reba Rae, a senior at the University of Tennessee, majoring in English and music; and Jana Marie, a three-year-old at home, who, according to her mother, "is majoring in mischief."

The Holts came to Oak Ridge in 1953 from Pulaski in young John's pre-school years. All of his formal education has been here.

In National Competition

Now there's anxious waiting until early May when the national competition winners are announced. The 50-state winner will feature three prizes for both girls and boys, carrying scholarship money as high as \$1,500.

(John is planning a career in law.)

"Our children are our most prized assets," Mrs. Holt says. "We think of him (John) as an humble achiever; and even though we want to be modest, we are very proud of him."

management responsibility — to stockholders, employees, customers, the community, national and the world. His tips on developing a sense of responsibility in others: set an example; expect it, and reward it. "It's a habit that can be built just like any other habit," he adds.

Dr. Yeniscavish, Stellite Division, To Speak At Welding Society Meeting

Next Wednesday, the Northeast Tennessee Section of the American Welding Society will meet. Guest speaker will be Dr. William Yeniscavich, welding research engineer of the Stellite Division, Union Carbide Corporation, Kokomo, Indiana.



Dr. William Yeniscavich

Dr. Yeniscavich received his BS from the Drexel Institute of Technology, Philadelphia, and his MS and PhD from Carnegie Institute of Technology, Pittsburgh. All degrees were in metallurgical engineering. He spent eight years at the Bettis Atomic Power Laboratory as an irradiation engineer and a welding engineer. Since March, 1966, he has held the position of group leader of welding research and development at the Stellite Division. He is a member of the AWS, American Institute of Mechanical Engineering and the American Society for Metals.

Next week's meeting will be held Wednesday, February 14, at the Holiday Inn, Oak Ridge. "Pre-heat" is set for 6:15 p.m., dinner at 7:15 p.m. and the talk at 8:15 p.m.

A brief review will be given of the mechanical properties and hardening mechanisms in nickel-, cobalt-, and iron-base superalloys. This will be followed by a discussion of the main problem in the welding of these alloys, which is CRACKING. Methods of quantitatively measuring cracking sensitivity using the Varestraint test and the Gleeble test will be described along with typical data obtained for superalloys. These results will be used to help describe a mechanism of weld metal cracking based on the solidification mode, and a mechanism of heat-affected-zone cracking which is related to the resolution of precipitates. Cracking in both of these regions can be controlled to a certain extent by the welding parameters.

Non-AWS members are welcome. Reservations for dinner may be obtained by contacting any AWS member.

Chester L. Estes, Y-12's Metallurgical Development, is chairman of the local AWS Chapter.

'Absence Of Cello' Try-Outs Set Monday

Tryouts will begin next Monday, February 13, for "Absence of a Cello," the spring comedy to be offered at the Oak Ridge Playhouse. Tryouts will be held at 7:30 p.m. in the rehearsal room at the Oak Ridge Playhouse. Everyone, no matter how little or how much theatre experience he has had, is invited to attend. Newcomers are especially welcome.

Three men and four women are needed for the cast. These include a scientist who is a leading authority on ultrasonic sound and who finds his greatest joy in playing the cello, his wife who writes books on dead languages but whose own tongue is witty and vital, their college-age daughter, her young admirer who is handy with advice for everyone, his grandmother who appears angelic but who is a charming old kleptomaniac, the wife's sister who is a handsome woman in her thirties with a non-nonsense mind, and a company investigator who has come to look over the scientist and his family with a view to hiring him. Results are unexpected.

For those unable to attend Monday's tryouts, Director Paul Ebert will be happy to make special arrangements. He may be reached at Oak Ridge telephone 483-6193. "Absence of a Cello" opens April 28 and will go into rehearsals in mid-March.

SNT Meet Next Tuesday At Marina

The Oak Ridge Section of the Society for Nondestructive Testing will have its February meeting next Tuesday, February 14. The dinner meeting is set to begin at 6:45 p.m. at the Oak Ridge Marina, River Road. Cost for the meal is \$2.

At 8 p.m. the SNT will show movies on space exploration. The film "Men Encounter Mars—1965" was produced by NASA and is a behind-the-scenes documentary about the engineers and scientists who planned and carried out the company job of photographing the Martian surface. It tells the story of the team work which gave the world these remarkable photographs.

"Electric Propulsion" is concerned with what electric propulsion is, how it works, why it is needed, its status of development, and how it may be used for both manned and unmanned space missions. "Wind Tunnel Testing" is an engineering report on testing at the Marshall Center during development of the Saturn family of space vehicles. The film includes scenes of a Saturn launch.

All SNT members and interested parties are welcomed at next Tuesday's meeting.

Chorus Will Present Music Both Old, New

The Oak Ridge Community Chorus, accompanied by members of the Oak Ridge Symphony Orchestra, will present a choral program of old and contemporary music Saturday, February 11, at 8:15 p.m. in the Oak Ridge High School auditorium.

Two soloists will be Frances Parker and George McFadin, who will sing the solo portions of "Canticle of Hope" written by Paul Hindemith as a stirring tribute to UNESCO. The audience joins in the last two parts of this spirited composition.

The ancient "Purge out the old leaven therefore," will be performed in English, and Brahms' "Let Nothing Ever Grieve Thee" will be sung in German. Two contemporary pieces will be presented, "Musicians Wrestle Everywhere" by Elliott Carter, and "The Unknown Citizen" by David Cohen, both satires.

The concert is part of a regular series, and tickets may also be purchased at the High School box office prior to the performance.